

ART 3A PCT

**WHAT WE CLAIM IS:**

1. An abrasive tool comprising:

a base portion, and

a plastics film layer on said base portion adapted to receive an abrasive material layer,

wherein said base portion includes a foam layer to which said plastics film layer is laminated.

2. An abrasive tool as claimed in claim 1, wherein an abrasive material layer is applied to said plastics film layer.

3. An abrasive tool as claimed in claim 1 or claim 2, wherein said abrasive layer comprises abrasive material fixed to a backing layer wherein the backing layer is applied to the plastic film layer.

4. An abrasive tool as claimed in claim 3, wherein said backing layer is provided with an adhesive to attach the abrasive material layer to the film layer.

5. An abrasive tool as claimed in claim 4, wherein the adhesive is a pressure sensitive adhesive.

6. An abrasive tool as claimed in any one of the preceding claims, wherein said foam layer is formed from ethyl vinyl acetate foam or polyethylene foam or polypropylene foam.

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7. An abrasive tool as claimed in any one of the preceding claims, wherein said plastics film layer is formed from ethyl vinyl acetate film or polyethylene film or polypropylene film.
- 5 8. An abrasive tool as claimed in any one of the preceding claims, wherein said plastics film layer is applied to said foam layer by laminating during formation of the foam layer.
9. An abrasive tool as claimed in any one of the preceding claims, wherein a handle is connected to the base portion of the tool.
- 10 10. An abrasive tool as claimed in any one of the preceding claims, wherein the base portion is substantially planar.
11. An abrasive tool as claimed in any one of the preceding claims, wherein the base portion is flexible and means are provided on the tool for adjusting the curvature of the base portion and fixing the curvature of the base portion once adjusted.
- 15 12. An abrasive tool as claimed in claim 11, wherein said curvature of the base portion may be concave or convex.
- 20 13. An abrasive tool as claimed in claim 11 or claim 12, wherein said base portion is connected to a handle portion about a central pivot line and adjustment means are provided at respective spaced apart ends of the handle portion to allow the ends of the base portion to be moved closer to or further away from the respective ends of the base portion.
14. An abrasive tool as claimed in claim 13, wherein each said adjustment means has a pivotable connection with a respective end of the base portion.

15. An abrasive tool as claimed in claim 13 or claim 14, wherein each said adjustment means comprises a screw member passing through a respective end of the handle portion and received within a socket pivotably connected to a respective end of the base portion.
- 5 16. An abrasive tool as claimed in claim 15, wherein each socket is pivotable about a rod fixed within an end of the base portion, wherein the rod is fixed to the base portion substantially across the entire width of the base portion.
17. An abrasive tool comprising:
- 10 a handle portion,
- a flexible base portion connected to the handle portion about a central pivot line, and
- 15 adjustment spacing means provided at respective spaced apart ends of the handle portion, between the handle and base portions for adjustably fixing the distance between the handle and base portions at either end of the handle portion to thereby adjust the curvature of the base portion.
18. An abrasive tool as claimed in claim 17, wherein said curvature of the flexible base portion may be concave or convex.
19. An abrasive tool as claimed in claim 17 or claim 18, wherein each said adjustment means is a pivotable connection with a respective end of the flexible base portion.
- 20 20. An abrasive tool as claimed in any one of claims 17 to 19, wherein each said adjustment means comprises a screw member passing through a

respective end of the handle portion and received within a socket pivotably connected to a respective end of the flexible base portion.

21. An abrasive tool as claimed claim 20, wherein each socket is pivotable about a rod fixed within an end of the flexible base portion, wherein the rod is fixed to the flexible base portion substantially across the entire width of the flexible base portion.
22. An abrasive tool as claimed in any one of claims 17 to 19, wherein a plastics film layer is provided on the outer surface of the flexible base portion.
23. An abrasive tool as claimed in claim 22, wherein the flexible base portion includes a foam layer to which said plastics film layer is applied.
24. An abrasive tool as claimed in claim 22 or claim 23, wherein an abrasive material layer is applied to said plastics film layer.
25. An abrasive tool as claimed in claim 24, wherein said abrasive material layer comprises abrasive material fixed to a backing layer wherein the backing layer is applied to the plastics film layer.
26. An abrasive tool as claimed in claim 25, wherein said backing layer is provided with an adhesive to attach the abrasive material layer to the plastics film layer.
27. An abrasive tool as claimed in claim 26, wherein the adhesive is a pressure sensitive adhesive.

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28. An abrasive tool as claimed in any one of claims 23 to 27, wherein said foam layer is formed from ethyl vinyl acetate foam or polyethylene foam or polypropylene foam.
29. An abrasive tool as claimed in any one of claims 22 to 28, wherein said  
5 plastics film layer is formed from ethyl vinyl acetate film or polyethylene film or polypropylene film.
30. An abrasive tool as claimed in any one of claims 24 to 31, wherein said plastics film layer is applied to said foam layer by laminating during formation of the foam layer.
- 10 31. An abrasive tool as claimed in any one of the preceding claims, wherein the central pivot line is formed by a tongue-in-groove or dove-tail connection between the flexible base portion and the handle portion.
32. An abrasive tool substantially as hereinbefore described and as illustrated with reference to the accompanying drawings.

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